

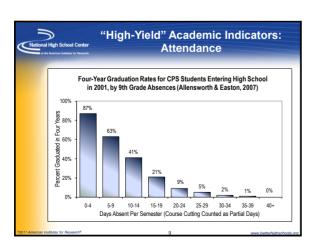
National I	Sobering Statistics
т	Nearly one-third of all high school students leave the public school system before graduating
	1.2 million students drop out of high school each year – that's 12 million over the next decade
	7,000 students drop out of high school every day
	15% of the high schools in the U.S. produce 50% of our dropouts – schools Balfanz and Legters call "dropout factories"
	Balfanz, R. and Legters, N. (2006, July 12). The graduation rate crisis we know and what can be done about it. Retrieved online from http://wwb.inu.edu/bin/abi/Crisis . Commentary.pdf

Particular High School Center A new high school dropout in 2000 had less than a 50% chance of getting a job That job earned less than half of what the same job earned 20 years ago Lack of education is strongly correlated with welfare dependency and incarceration Cutting the number of dropouts in half would reap \$45 billion in revenues and decreased costs (Levin et al., 2007)

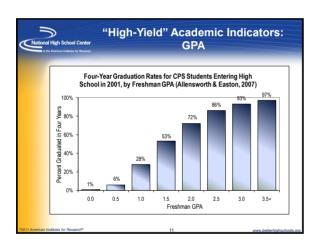
Early Warning Systems Early warning systems (EWS) rely on readily available data housed at the school to: Predict which students are at-risk for dropping out of high school Target resources to support off-track students while they are still in school, before they drop out Examine patterns and identify school climate issues

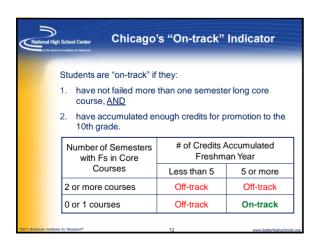
National High	School Center 9th Grade is a Critical Year
	Ninth grade is a "make or break year"
	 More students fail 9th grade than any other high school grade
	 A disproportionate number of students who are held back in 9th grade subsequently drop out
	 Monitoring students' progress throughout 9th grade— and even during the first semester—provides powerful indicators that can predict whether students will complete high school:
	 Engagement
	 Course performance
	 Chicago's "On-Track" Indicator (CCSR End-of-Year)
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Key Indicators Engagement · Attendance/absenteeism Research from several **Course Performance** U.S. school districts provides a strong foundation for defining · Course grades · Number of credits earned 9th grade warning signs that students might CCSR End-of-Year drop out, but local Indicator adaptation is key. · Core course performance & accumulated credits

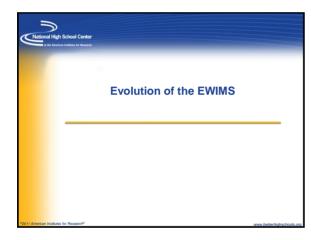








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Indicators	Benchmark (flagged)
Absenteeism	Missing 10% or more of instructional time
Course failures	One or more failed courses
Grade point average	2.0 or lower (on a 4-point scale)
CCSR End-of-Year Indicator	Fail two or more semester core courses, or accumulate fewer credits than the number required for promotion to the 10th grade

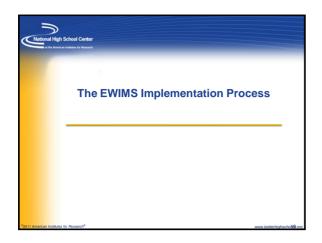


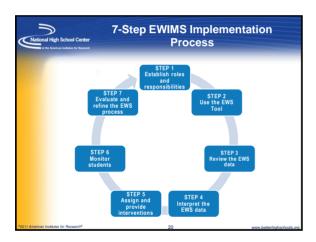
National Hi	D) EWIMSTool Development Control to March 1987 August 1987 Augus
	Since the development of v1.0, we have done the following:
	 Customized the tool for two states, including adding indicators (e.g., middle school indicators) and reporting features.
	Trained users at the state, district, and school levels to use customized versions of the tool (including approximately 19 districts and 30 schools).
	 Collaborated with CCSR on a study validating the indicators for students with disabilities (Gwynne, Lesnick, Hart & Allensworth, 2009).
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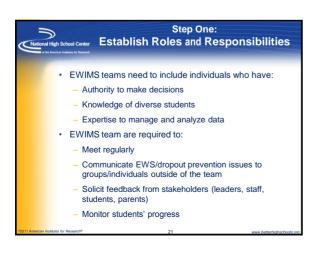
National I	EWIMS EWIMS
7	Based on this work over the past two years, we conceptualized the EWS Tool v2.0. This version has new features including the capability to:
	Import data
	Accommodate local contextual factors for high schools (e.g., semesters vs. trimesters vs. quarters)
	 Include locally-defined pre-high school risk indicators (based on student data from middle school)
	 Modify the benchmarks/thresholds based on analysis of longitudinal data (i.e., indicator validation)
	Disaggregate data by locally defined cohorts
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National I	High School Center	EWIMS	3
	Assign student res	continued: nventory of dropout prevedents to intervention progress in the school year	rams and monitor
	student-lev	-set school-level summar rel reports, and individual tomized student-level rep	student reports
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gh School Center	EWIMS		
Indicator	Time Frame	Benchmark (red flag)	
Pre-High School Indicators	Prior to the start of school	Exhibited locally validated indicators of risk	
Attendance	First 20 or 30 days, each grading period, end of year (annual)	Missed 10% or more of instructional time (absences)	
Course Failures	Each grading period, end of year (annual)	Failed one or more semester courses (any subject)	
Grade Point Average	Each grading period, end of year (annual)	Earned 2.0 or lower (on a 4- point scale)	
CCSR End of Year (On-Track) indicator	End of year (annual)	Failed two or more semester core courses, or accumulated fewer credits than the number required for promotion to the next grade	







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Step Two: Use the EWIMS Tool v2.0

- In order to be used as an effective tool to support EWIMS team work:
 - Data must be regularly entered/imported throughout the school year
 - At least one individual should be responsible for ensuring the EWIMS is loaded with the latest data
 - EWIMS Team members must be trained to understand the use of the tool
 - Reports must be used to make decisions about students
 - Students must be assigned to interventions and progress monitored

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Step Three: Review EWIMS Data

- EWIMS data are reviewed and monitored to identify students at risk for dropping out and to understand patterns in student engagement and academic performance
- Questions to ask about EWIMS data:
 - Student-level patterns: What do your data tell you about individual students who are at-risk?
 - School-level patterns: What do your data tell you about how the school is doing?
 - Are students who were flagged from the beginning remaining "off-track" through the year?
 - Are students who were flagged at one reporting period back "on-track" at the next?

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Step Four: Interpret EWIMS Data

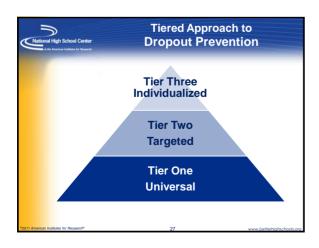
- The EWIMS team must look BEYOND the indicators and dig deeper into reasons for student disengagement with school and academic failure
 - Indicators are just observable symptoms, not root causes
 - It is important to examine additional data from a variety of sources not included in the tool (e.g., talking to classroom teachers, parents, individual students, other adults in the school)
- Looking at data beyond those in the EWIMS can help identify individual and common needs among groups of students and raise new questions for understanding students' reasons for being off-track for graduation

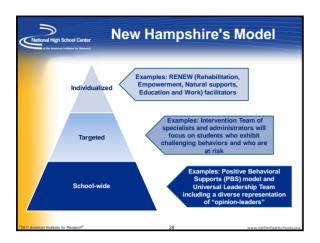
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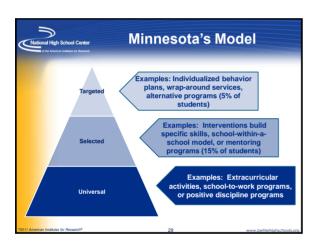
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National High School Co	Step Four: Interpret EWS Data (cont.)
	derstanding characteristics of students at-risk of pout is important because:
	Decisions to persist or drop out are affected by multiple contextual factors - family, school, neighborhood, peers
	Personal and school factors contribute to success or failure during the freshman year
	Attendance and course performance problems are distinct indicators in the EWIMS but are highly nterrelated, and both can signal disengagement
	Student background characteristics are less important in explaining failures than behaviors in high school
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Step Five: Assign and Provide Interventions The EWIMS team matches individual students to specific interventions after having gathered information about: Potential root causes for individual flagged students The available dropout prevention and academic and behavioral support programs in the school, district, and community A tiered approach can be used to match students to interventions based on their individual needs









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Step Six: Monitor Students and Interventions

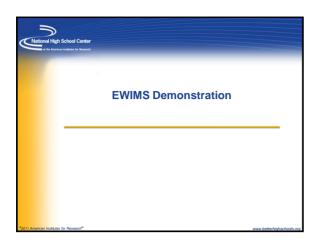
- The EWIMS team monitors students who are participating in interventions to:
 - Make necessary midcourse corrections by identifying students' whose needs are not being met
 - Identify new interventions that will to meet students' needs
 - Use data to monitor the effectiveness of interventions offered
 - Increase knowledge about the general effectiveness of interventions
 - · Improve the matching of students to interventions
 - Communicate with families and appropriate stakeholders and solicit their involvement in the monitoring process

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National H	Step Seven: Step Seven: Step Seven: Step
	 Refine the EWS Implementation Process During the school year At the end of a school year Identify short- and long-term needs and solutions Student needs Organizational needs (school and/or division)

National High School at the American Indiana	ol Center Evalua		Seven: e the EWIMS	Process
	alidate the inc ne system	licators to maxi	imize predictive	power of
			ly Warning Sign Grade?	
	Graduated in 4 (or 5) Years?	YES	NO	
	YES	False Positive (or Effective Intervention)	Accurate Prediction	
	NO	Accurate Prediction	False Negative	



National at the	High School Center Available Resources
	National High School Center's Early Warning System Web page: http://www.betterhighschools.org/ews.asp
	Early Warning Intervention and Monitoring System, as well as supporting materials
	Early Warning Intervention and Monitoring System Implementation Guide
	What Matters for Staying On-Track and Graduating in Chicago Public Schools: A Focus on Students with Disabilities
	Developing Early Warning Systems to Identify Potential High School Dropouts
	Approaches to Dropout Prevention: Heeding Early Warning Signs With Appropriate Interventions
	Additional Resources Available on our Web site:
	 A Coherent Approach to High School Improvement: A District and School Self-Assessment Tool
	Educating English Language Learners at the High School Level: A Coherent Approach to District- and School-Level Support
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